The Six Days of Creation

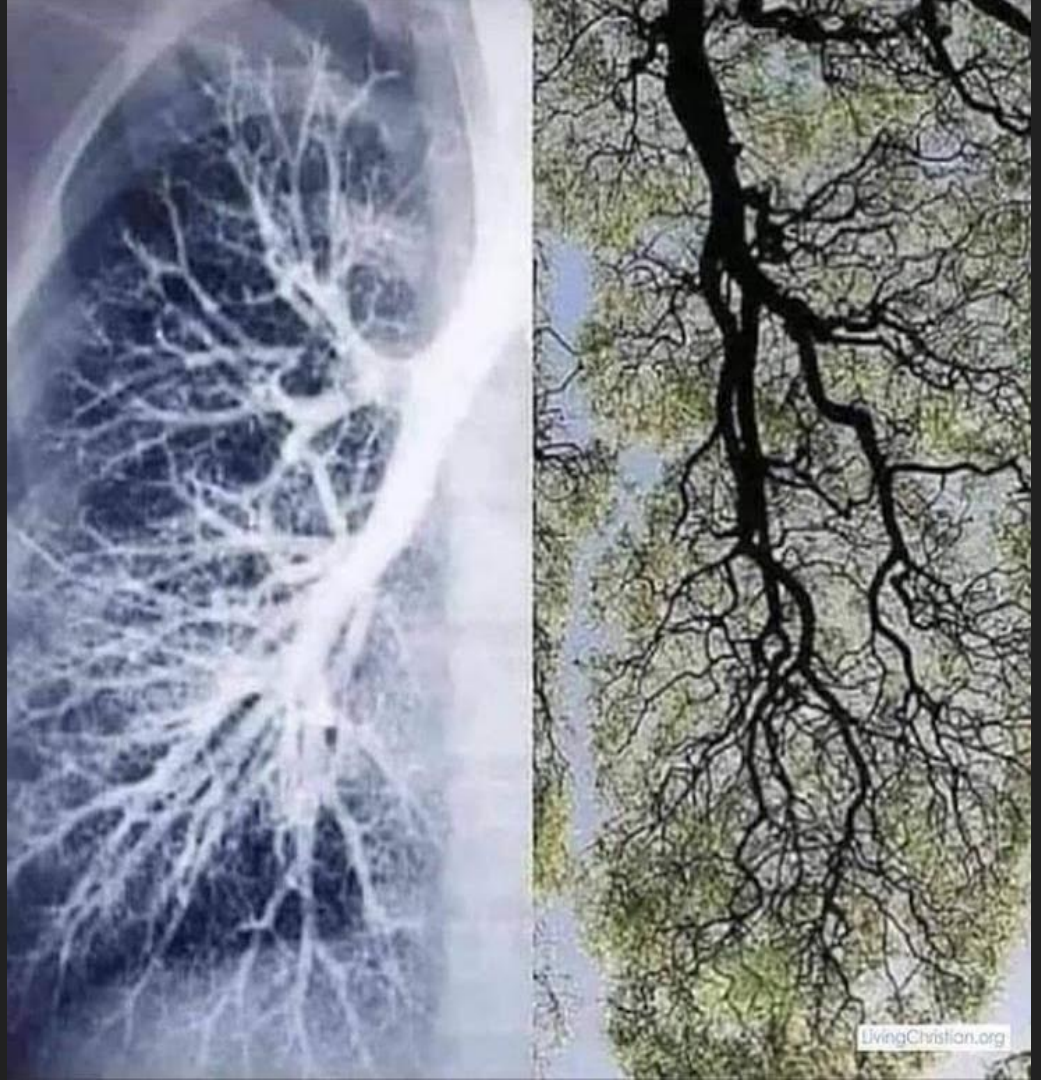
The Wisdom of God in Nature

Point #1. We can Clearly See God's Invisible Qualities in Nature!

For since the creation of the world God's invisible qualities—his eternal power and divine nature—have been clearly seen, being understood from what has been made, so that people are without excuse. Romans 1:20

Evidence of God's Design with Tree Rings and Human Fingerprints

Evidence of God’s Design with Tree Branches and Human Lungs



POINT #2: Creation was a Miracle

The Creation of the Earth, living organisms, Solar System, Galaxies, Stars and Universe was a supernatural **miracle** of the Living God.

POINT #3: God Continues to Sustain Creation

God continues to sustain His creation moment by moment!

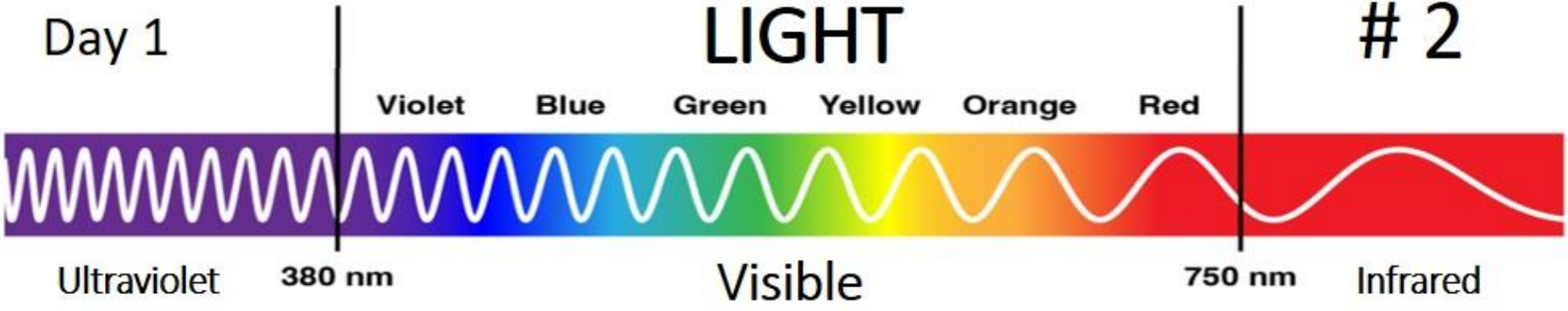
Acts 17:28; Heb. 1:3

What is the order of creation according to the Bible and what is our purpose as created beings made in God’s image?

The First Day

In the beginning God made the heaven and the earth. But the earth was unsightly and unfurnished, and darkness was over the deep, and the Spirit of God moved over the water. And God said, Let there be light, and there was light. And God saw the light that it was good, and God divided between the light and the darkness. And God called the light Day, and the darkness he called Night, and there was evening and there was morning, the first day.

Day 1
WATER
1


Day 1
LIGHT
2
Violet
Blue
Green
Yellow
Orange
Red
Ultraviolet
380 nm
Visible
750 nm
Infrared

Water

Amazing Properties of Water

Water is 3 atoms in one molecule, like the idea of God as One in 3 persons.

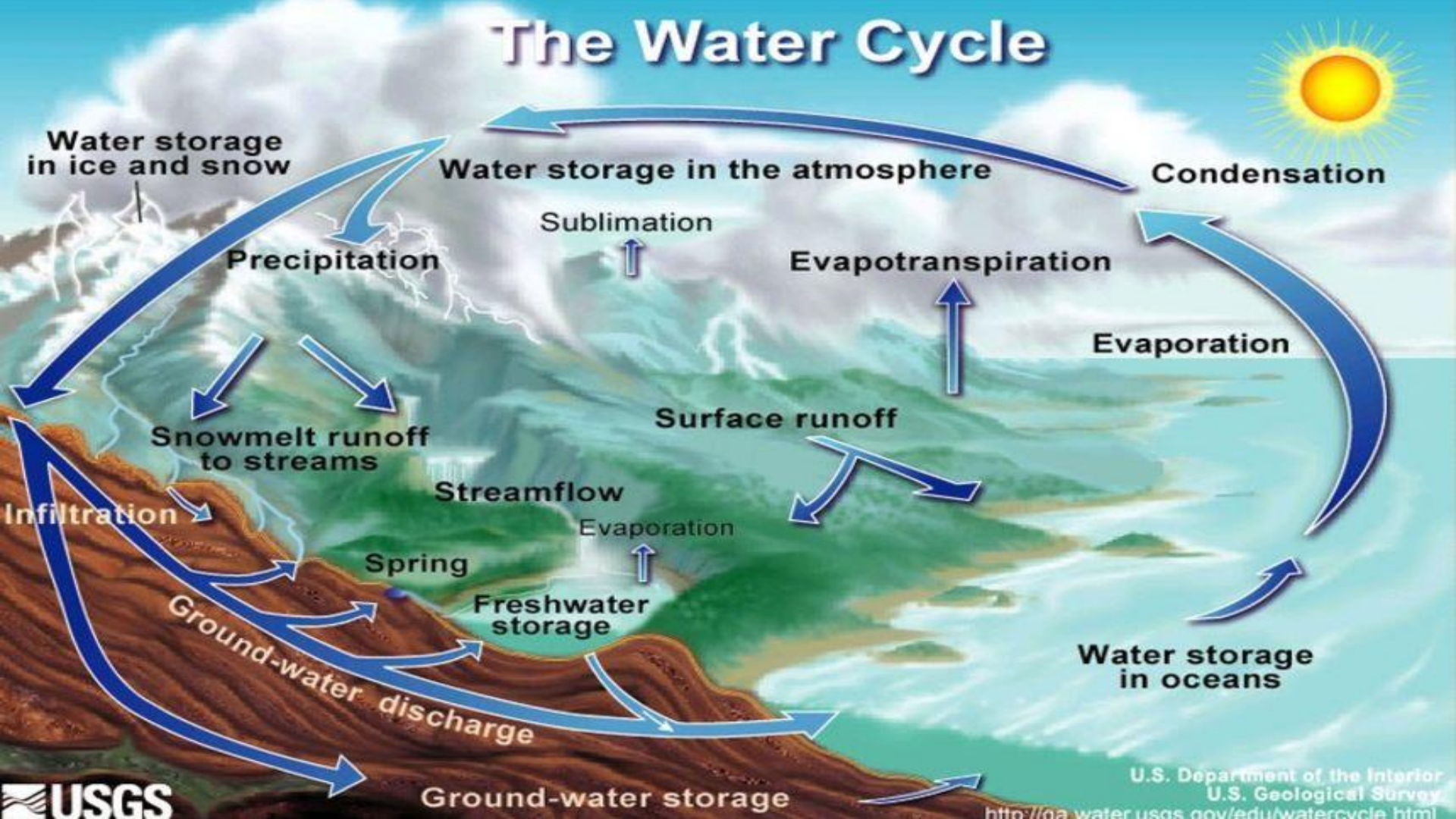
Ice is less dense than water and floats instead of sinks.

Water is most dense at 4^{o}C, meaning fish and other aquatic species can live on the bottom of the lake even in the coldest weather.

Ice is a great insulator, allowing for organisms under the snow to survive cold temperatures on earth.

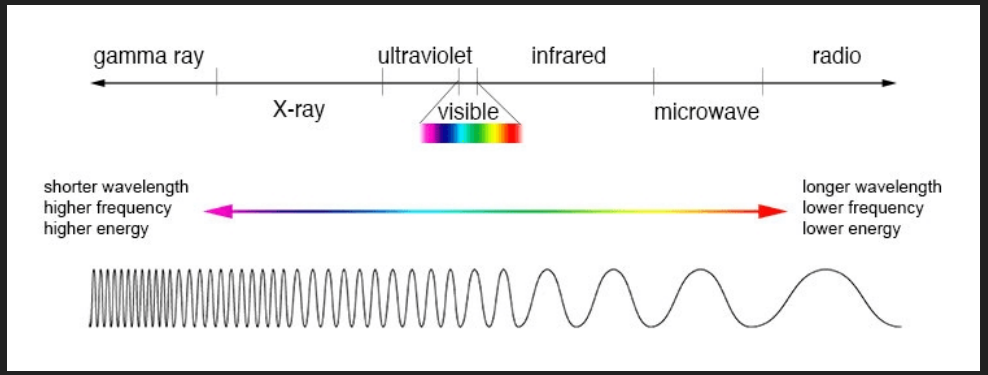
Water has a high specific heat capacity (takes a long time to heat & cool) allowing people living along water to have milder temp.

Water exists in 3 states on planet earth and without water life would not exist.

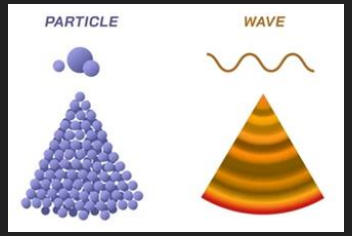

The Water Cycle
Water storage in ice and snow
Water storage in the atmosphere
Condensation
Sublimation
Precipitation
Evapotranspiration
Evaporation
Surface runoff
Snowmelt runoff to streams
Streamflow
Infiltration
Evaporation
Spring
Freshwater storage
Ground-water discharge
Water storage in oceans
Ground-water storage
USGS
U.S. Department of the Interior
U.S. Geological Survey
http://ga.water.usgs.gov/edu/watercycle.html

Light

Amazing Properties of Light



Light is fast!!!! 300,000 kilometres per second!
Light is electromagnetic radiation that is visible to the human eye!
Light behaves like a wave and a particle - the wave/particle duality.
Light can be separated into 7 colours of the visible spectrum!
Light can refract or bend when going through a different medium
Light can pass through water allowing plants to photosynthesize in water.
Light can be absorbed, reflected, transmitted, or refracted



The Second Day

And God said, Let there be a firmament in the midst of the water, and let it be a division between water and water, and it was so. And God made the firmament, and God divided between the water which was under the firmament and the water which was above the firmament. And God called the firmament Heaven, and God saw that it was good, and there was evening and there was morning, the second day.

Day 2

EARTH'S ATMOSPHERE

3

Day 2

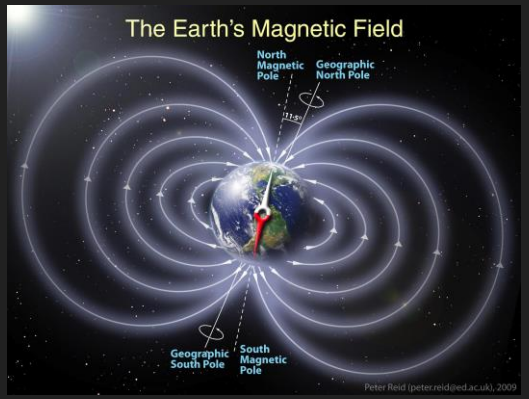
OUTER SPACE

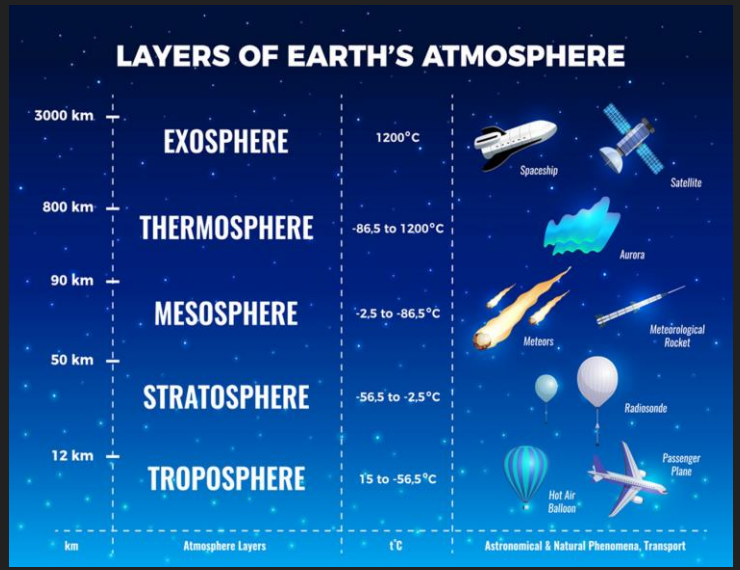
4

Our Atmosphere

Earth has a protective magnetic field that shields it from harmful solar and cosmic radiation.

The Thermosphere is the hottest part of the layers of earth's atmosphere. It absorbs dangerous UV radiation from the sun to protect organisms on earth. It is also where the Aurora lights are seen over the earth.

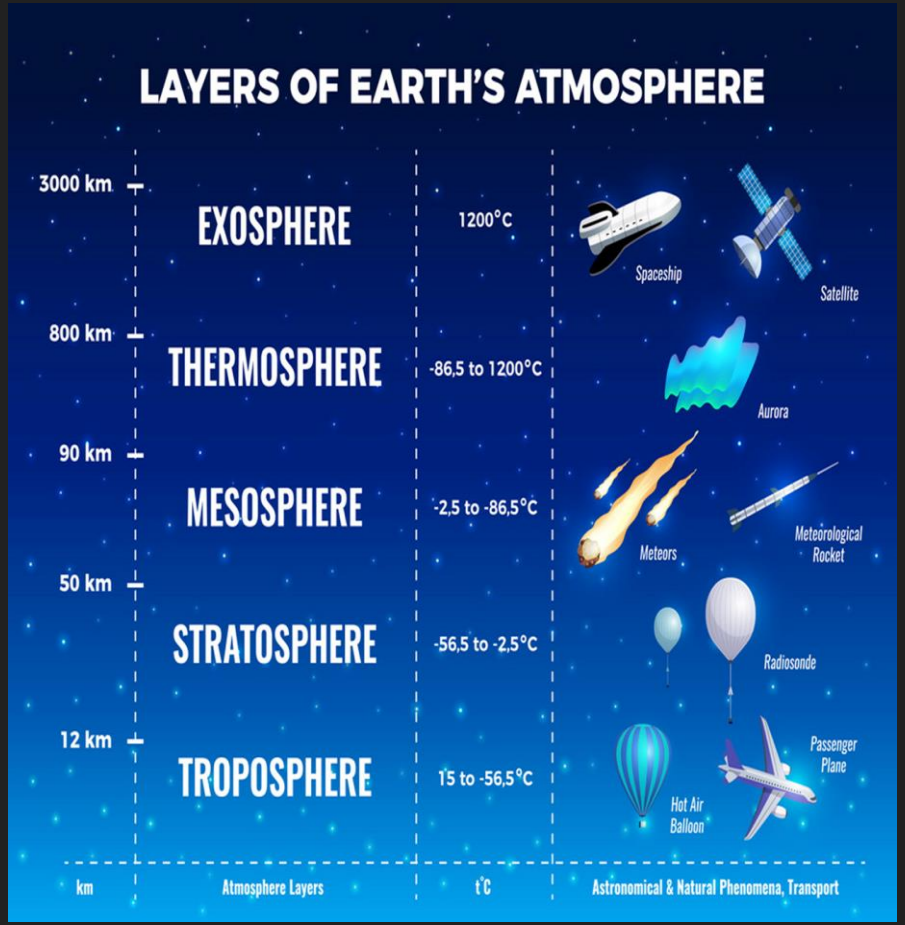




Our Atmosphere

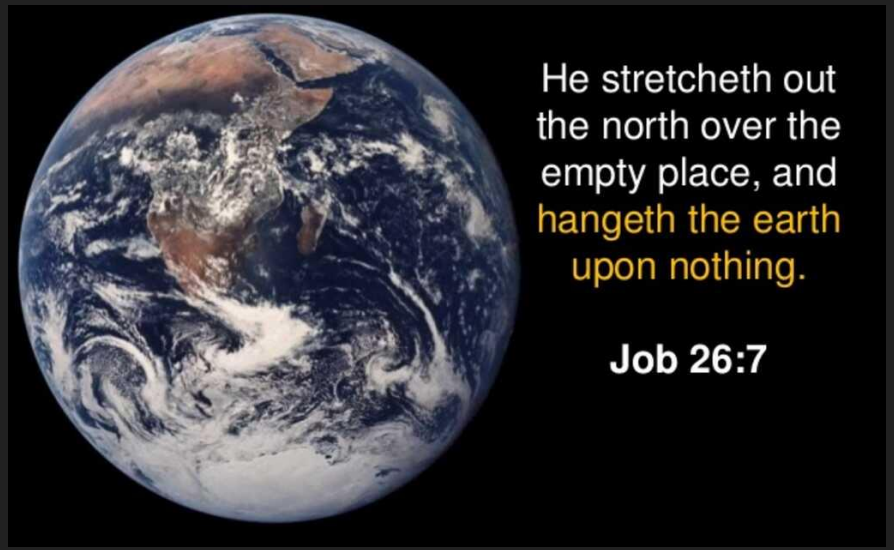
The Mesosphere is 37 km thick and protects earth by burning up 40 tons of meteors each day.

The Troposphere is the layer where most of life exists, made up of Nitrogen, Oxygen (which most living things need for life) Carbon Dioxide which is needed for plants to survive.



Outer Space

The expanse of space at this time was unfilled and the earth was there suspended in the emptiness of space.



The Third Day

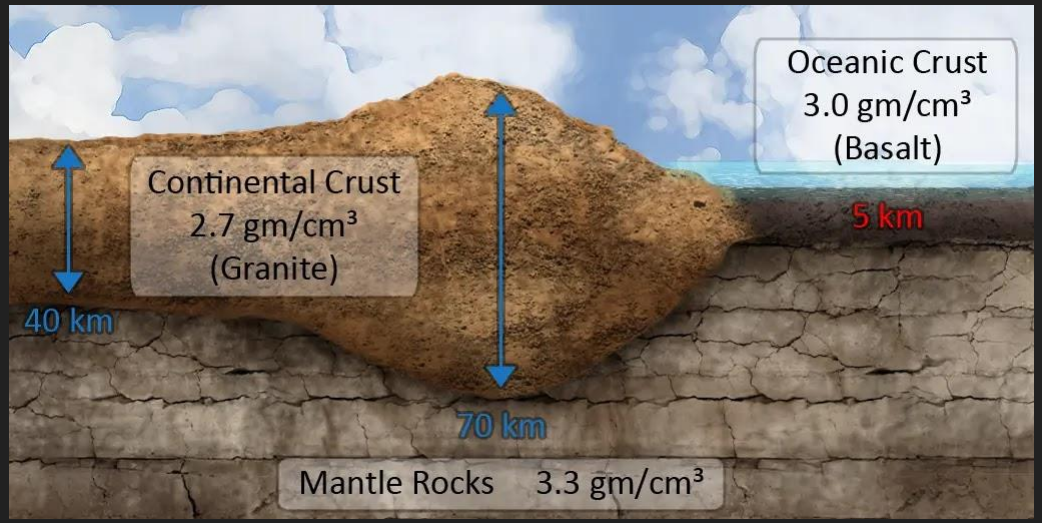
And God said, Let the water which is under the heaven be collected into one place, and let the dry land appear, and it was so. And the water which was under the heaven was collected into its places, and the dry land appeared. And God called the dry land Earth, and the gatherings of the waters he called Seas, and God saw that it was good. And God said, Let the earth bring forth the herb of grass bearing seed according to its kind and according to its likeness, and the fruit-tree bearing fruit whose seed is in it, according to its kind on the earth, and it was so. And the earth brought forth the herb of grass bearing seed according to its kind and according to its likeness, and the fruit tree bearing fruit whose seed is in it, according to its kind on the earth, and God saw that it was good. And there was evening and there was morning, the third day.

Day 3
DRY LAND
5

Day 3
SEAS
6

The Continental Crust is on average around 40-70 km thick and is made primarily of Granite which has a density of about 2.7 g/cm.^{3}

The Oceanic Crust is on average around 5 km thick and is made primarily of Basalt which has a density of about 3.0 g/cm.^{3}



Day 3
DRY LAND
5

Day 3
SEAS
6

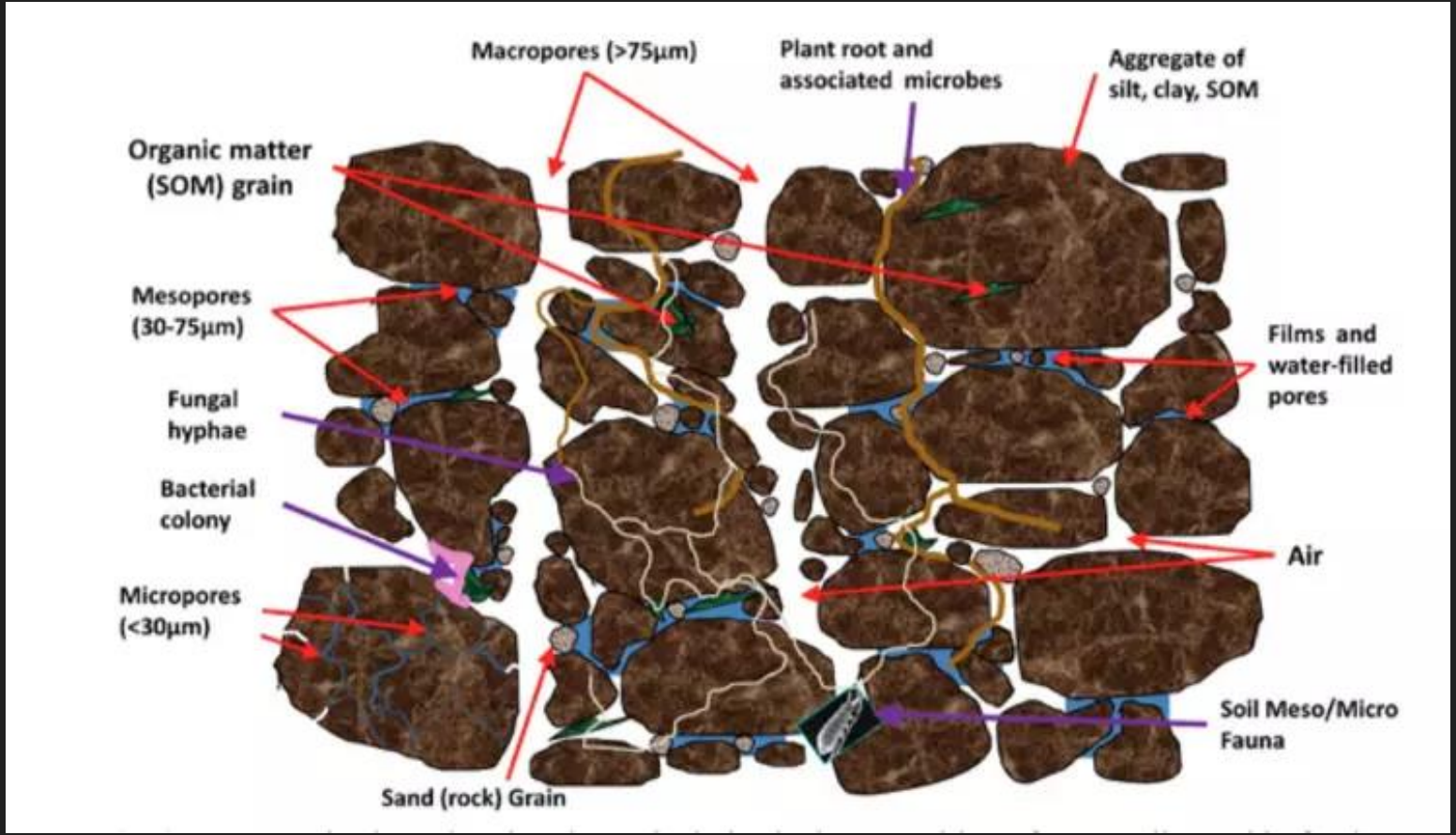
Day 3
PLANTS
7

The Soil Layers

The Earth contains rocks and soils that support plant growth, purify water, give a habitat for soil organisms and recycle nutrients and organic wastes.

The Soil layers acts as a giver of nutrients to organisms, an area where dead things can break down, and a filter, blocking particulate matter allowing filtered freshwater to return to the water table.

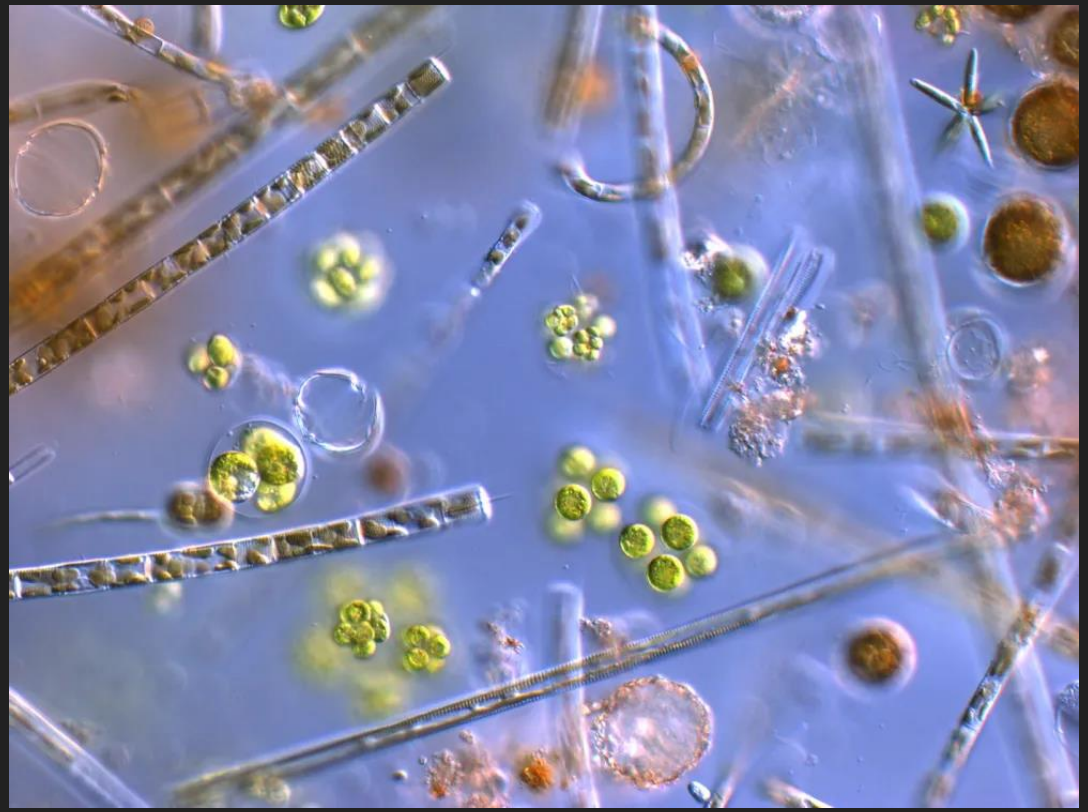
Components of Soil



Jesus the Creator of All Things - Visible and Invisible

He is the image of the invisible God, the firstborn over all creation. For by Him all things were created that are in heaven and that are on earth, visible and invisible……All things were created through Him and for Him. And He is before all things, and in Him all things consist. Colossians 1:15-17 [NKJV]

God (Father, Son, Holy Spirit) Created Microscopic Life!



Jesus the Creator of All Things – Extant and Extinct

In the beginning was the Word, and the Word was with God, and the Word was God. He was with God in the beginning. Through him all things were made; without him nothing was made that has been made. John 1:1-3 [NIV]

EXTINCT: No longer living on the earth.

EXTANT: Still in existence, surviving today.

The Bible does not teach the idea of the Fixity of Species, or that creatures have not changed over time.

God (Father, Son, Holy Spirit) Created Extinct as well as Extant Life!

The Wisdom of God in His Created Organisms

How many are your works, Lord! In wisdom you made them all; the earth is full of your creatures.

Psalm 104:24 [NIV]

Question to Ask:

There are millions of species of organisms on earth.

How did God make organisms with wisdom?

Jesus is called the Author of Life by Peter on the day of Pentecost. (Acts 3:15).

What does an author do? Write books

Just as God wrote a book called the Bible, God also wrote a book in the DNA of every living organism on earth like an encyclopedia.

Earth is like a library of God’s books, written in DNA! There must be an Author of this complex code!

Just like the Encyclopedia Britannica has 32 volumes, so the human genome (encyclopedia) has 46 volumes, or chromosomes made of DNA.

Answer:

God invented a data storage system that underlies all organisms.

Let’s compare the binary code used in computers versus the genetic code used in living things.

BINARY CODE VERSUS GENETIC CODE

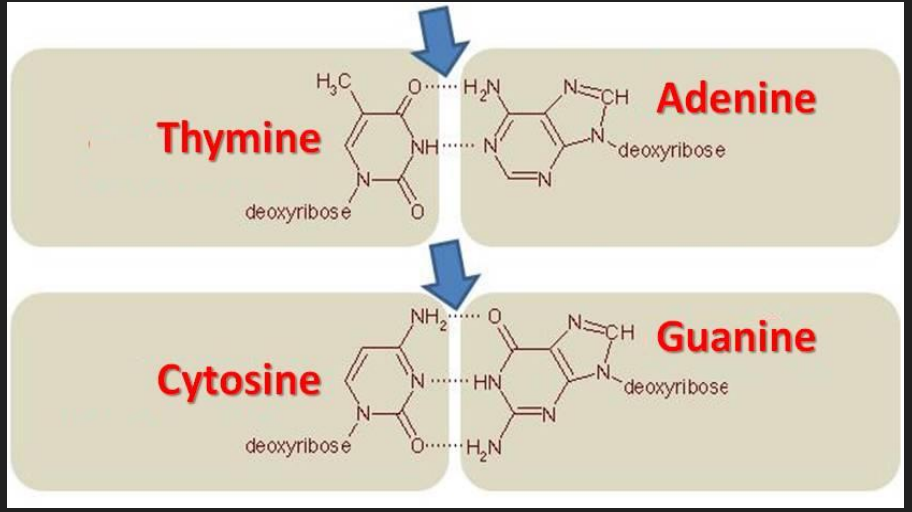
Computer binary code uses two digits (0,1).

However, the genetic code uses four letters:

Adenine (A) Thymine (T)

Cytosine (C) and Guanine (G)

It is a much more information-rich storage system than binary!



BINARY CODE IN COMPUTERS

GENETIC CODE IN LIVING THINGS

TCAG GACT CGTA CGAT TGAC TCGA TCAG
TAGC ATCG TCAG GTCA CGAT CATG ATCG
GCTA CATG ACTG TGCA GTGA ACCG ATCG
AGTC ATGC CTAG TCAG TGAC TAAC ATCG
ACTG AGTC GATC TCGA GCAT TACC ACTG
GTCA AGCT GACT GTAC TGCA CGGT CATG
GTCA CATG ATCG CATG TCAG ACCG GTCA
ATGC CGTA GCAT TCGA CTAG GTCA ACTG
GACT ACGT TGAC CTGC AGTC CAGT TGCA
© picture alliance

DATA STORAGE CAPABILITIES

1 gram of DNA (the mass of a paperclip) can store 215 Petabytes of Data!

(10 million hours of high definition video!)

"DNA 'Printing Press' Could Quickly Store Mountains of Data," AAAS Articles DO Group, October 23, 2024, https://doi.org/10.1126/science.zw0dgzo.

1 gram of DNA can theoretically hold 215 petabytes of data– let's see how many familiar storage devices it would take to match that.

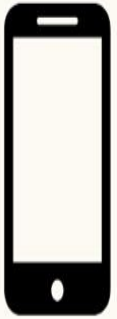
~150 Billion Floppy discs
(capacity 1.44 MB/floppy)

~307 Million Cassettes
(capacity 700 MB/cassette)

~307 Million CD-ROM
(capacity 700 MB/CD)

~45.7 Million DVDs
(capacity 4.7 GB/DVD)

~51.5 Million USB stick
(capacity 10 GB/stick)



~880 Thousand Smartphones
(capacity 256 GB/phone)

~215 Thousand hard drive
(capacity 1 TB/hard drive)

~22 Cloud Data Rack
(capacity 10 PB/Rack)

INCREDIBLE DATA STORAGE CAPABILITIES

All the information that mankind has ever made could be stored in DNA the volume of a ping pong ball!!

Latchesar Ionkov and Bradley Settlemyer, “DNA: The Ultimate Data-Storage Solution,” Scientific American, May 28, 2021, https://www.scientificamerican.com/article/dna-the-ultimate-data-storage-solution/.

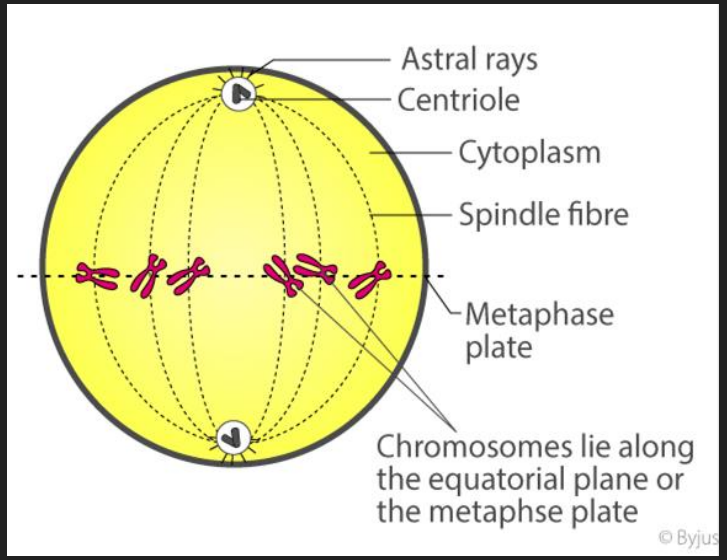
DNA AND GENETIC CODE FOR LIFE

God writes genetic code into each creature He made which involves:

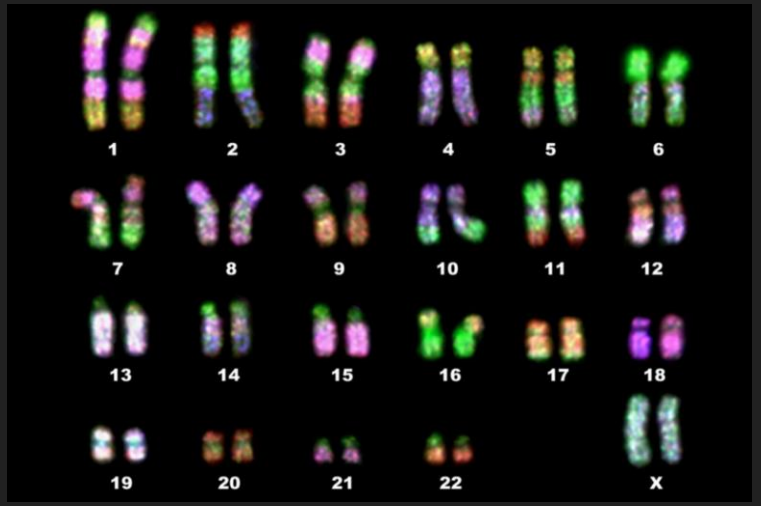
- The Appearance of an organism.
- The Potential Behaviour of an Organism.
- The Organism's strengths and weaknesses.

CHROMOSOMES AND GOD'S WISDOM

Chromosomes are packages of DNA that are coiled up, condensed and visible during mitosis in the metaphase step where chromosomes line up before nuclear division.



Scientists can then count the chromosomes under the microscope and come up with a total number of chromosomes called the ***2n*** number for that organism.

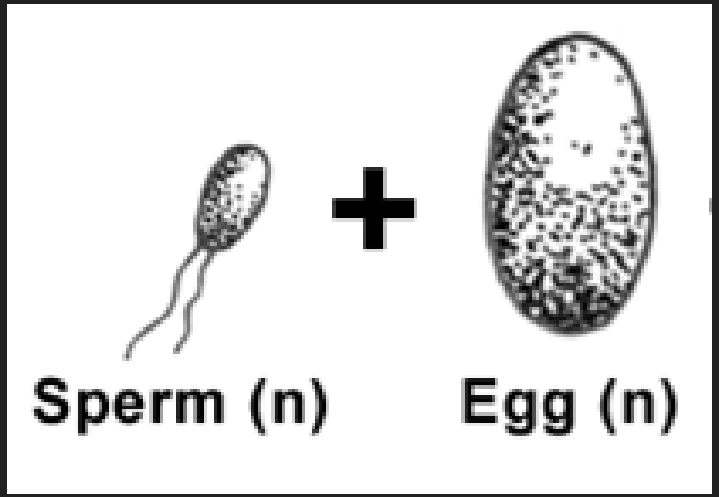


Sexual Reproduction Since the Beginning of Creation

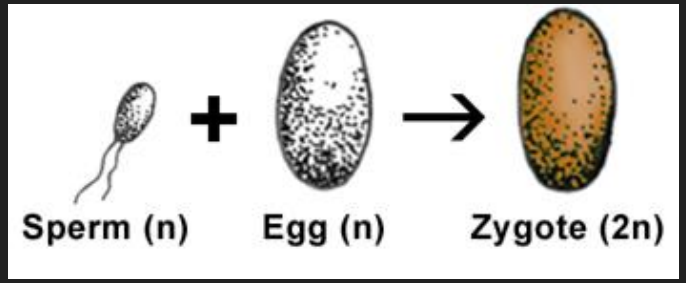
Jesus said: “At the beginning of creation, God made them male and female”
Mark 10:6

So Jesus is saying here that sexual reproduction was made by God at the beginning of creation.

In organisms that replicate sexually, including animals, plants and fungi, the sperm and egg cells usually have half the chromosome number which is called *n*.



Sperm and Egg cells come together and n + n becomes 2n. Each species has its own chromosome number so that the chromosome number (2n) stays the same over many, many generations.



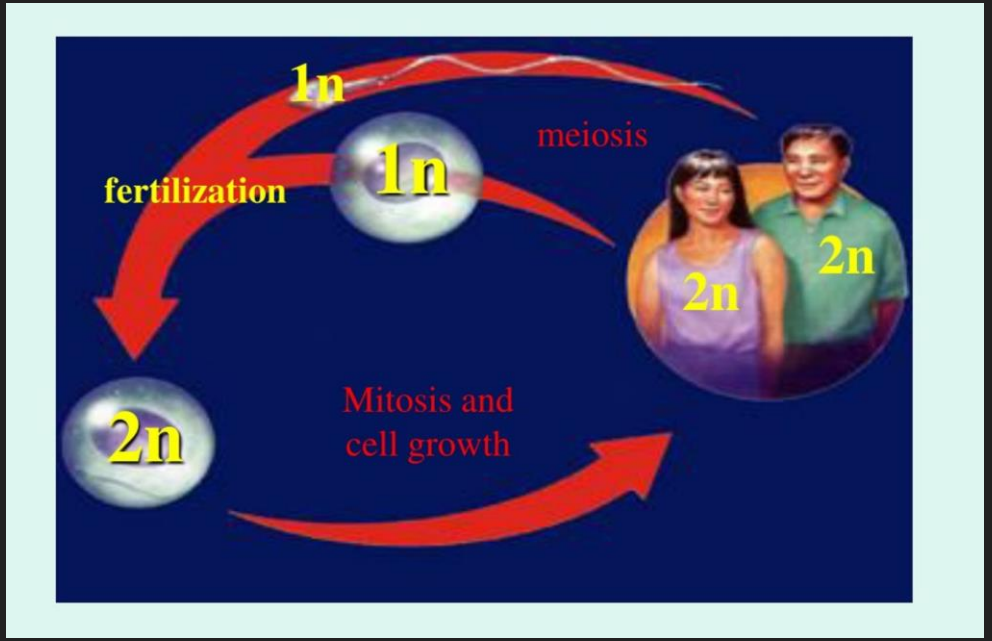
In humans, this is

23 (n) + 23 (n) → 46 (2n)

Sperm + Egg ----> Baby

The genius of this method of reproduction is that it conserves the species because as a rule only other organisms that have the same chromosome number could potentially reproduce.

This way, the species can only reproduce with their own kind, which is by and large limited by the chromosome number.



CHROMOSOME NUMBER AND SPECIES

Each species has its own specific chromosome number. Some species that look very similar may have a different chromosome number. We will look at the chromosome number of plant, algae, fungi and animal species.

CHROMOSOME COUNTS (2n) OF DIFFERENT PLANT SPECIES

RICE	WHEAT	CEDAR TREE	BARLEY	POTATO	TOMATO
24	42	24	14	48	24
ALMOND TREE	POMEGRANATE	GRAPES	OLIVES	FIG TREE	WILLOW TREE
16	18	38	46	26	38

CHROMOSOME COUNTS (2n) OF LAND ANIMAL SPECIES & HUMANS

DOGS & WOLVES	CATS & LIONS	MOUSE	FRUIT FLY	FROG	MONKEY
78	38	40	8	26	42
GIRAFFE	EARTHWORM	BOA CONSTRICTOR	CAMEL	POLAR BEAR	HUMAN
30	36	36	74	74	46

CHROMOSOME NUMBER OF EXTINCT SPECIES

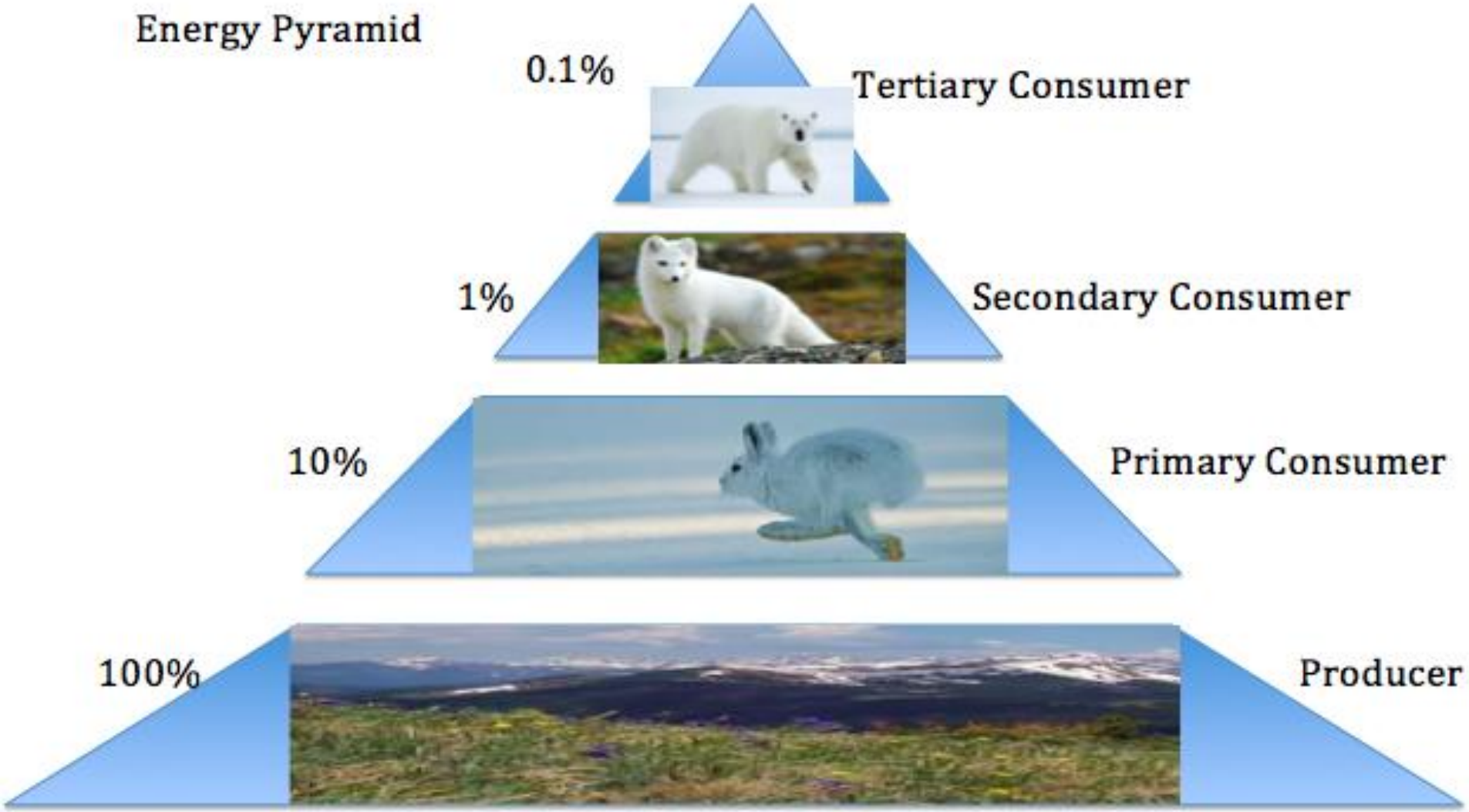
Scientists cannot get a chromosome number from an extinct species.

The Third Day

And God said, Let the earth bring forth the herb of grass bearing seed according to its kind and according to its likeness, and the fruit-tree bearing fruit whose seed is in it, according to its kind on the earth, and it was so. And the earth brought forth the herb of grass bearing seed according to its kind and according to its likeness, and the fruit tree bearing fruit whose seed is in it, according to its kind on the earth, and God saw that it was good. And there was evening and there was morning, the third day.

Day 3 Created Organisms

Energy Pyramid



Modern Day

Dinosaur Time

The Fourth Day

And God said, Let there be lights in the firmament of the heaven to give light upon the earth, to divide between day and night, and let them be for signs and for seasons and for days and for years. And let them be for light in the firmament of the heaven, so as to shine upon the earth, and it was so. And God made the two great lights, the greater light for regulating the day and the lesser light for regulating the night, the stars also. And God placed them in the firmament of the heaven, so as to shine upon the earth, and to regulate day and night, and to divide between the light and the darkness. And God saw that it was good. And there was evening and there was morning, the fourth day.

Day 4

The Sun

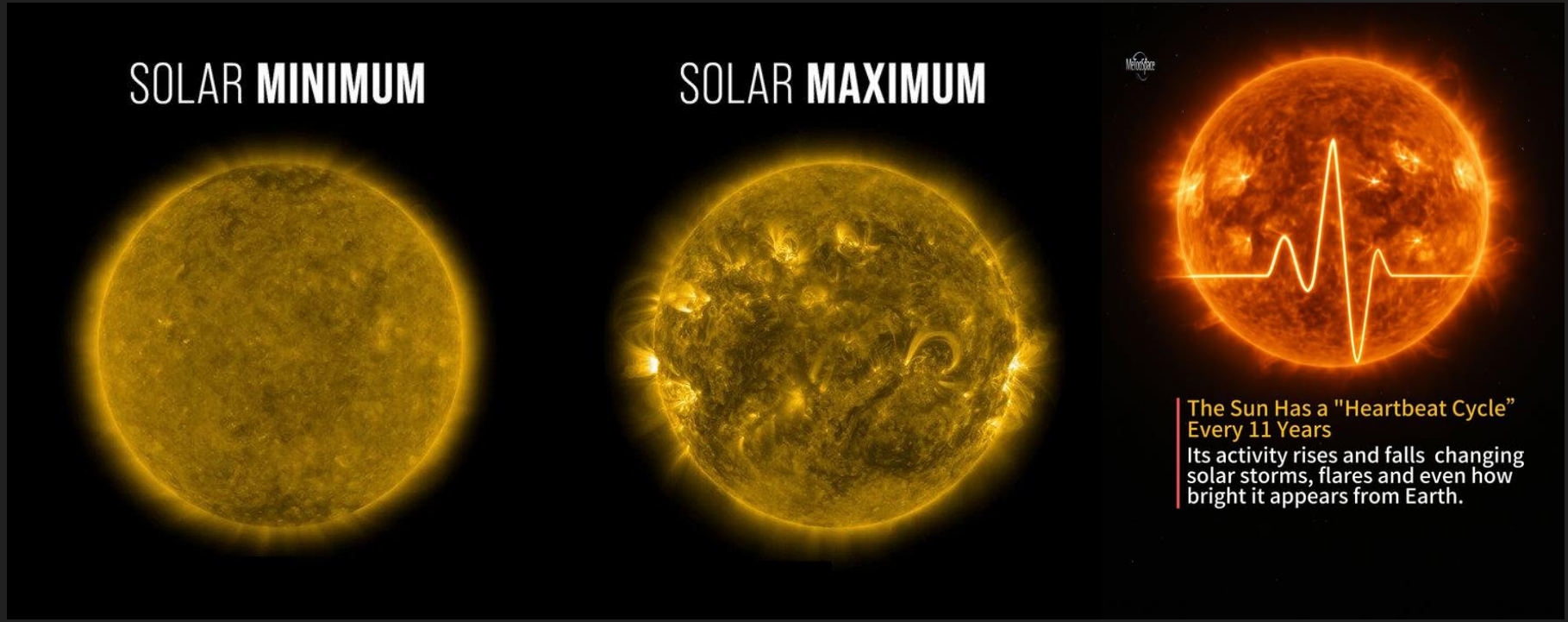
Day 4

The Moon

Day 4

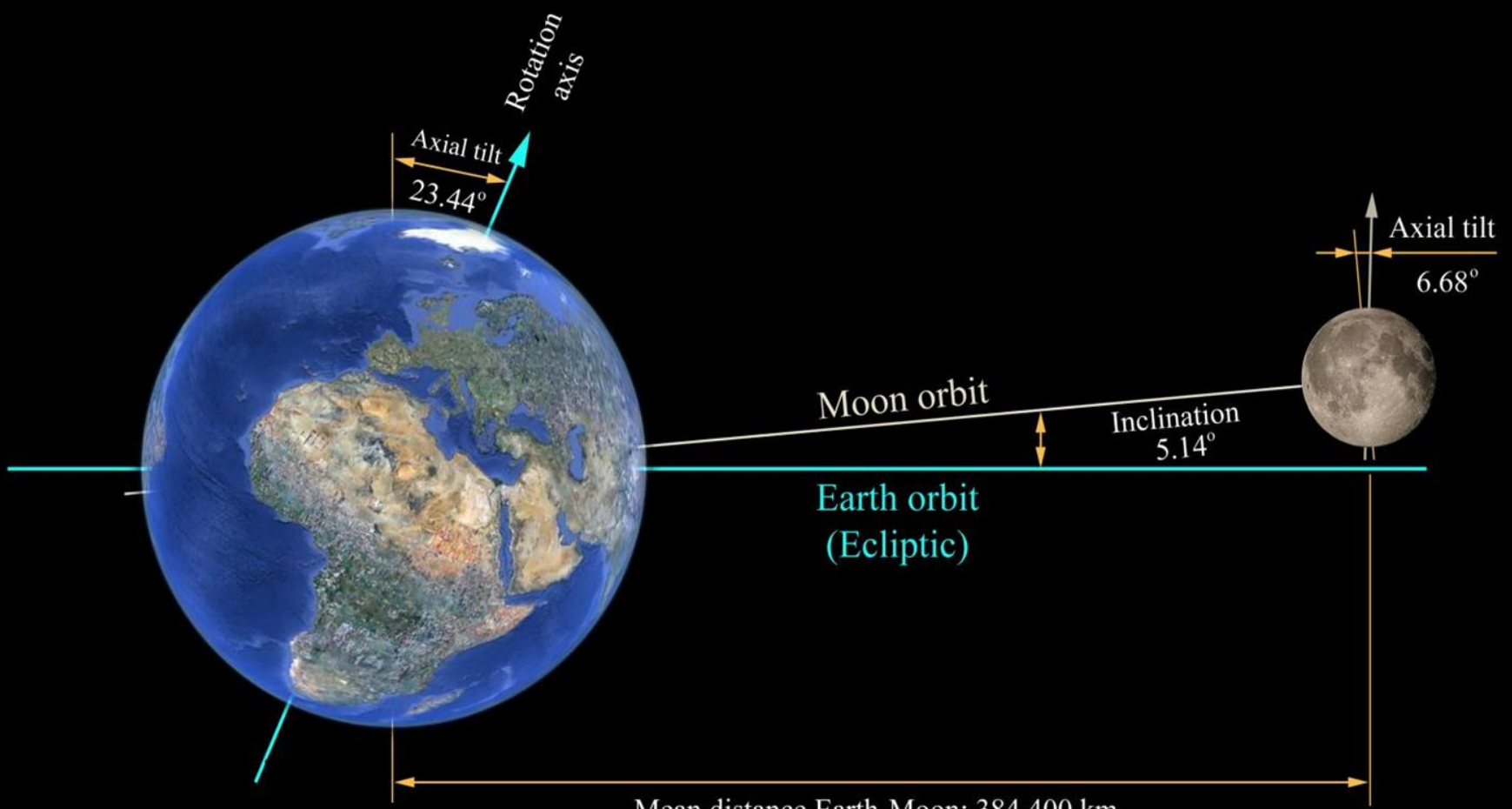
The Stars

The Phases of the Sun


SOLAR MINIMUM
SOLAR MAXIMUM
The Sun Has a "Heartbeat Cycle" Every 11 Years
Its activity rises and falls changing solar storms, flares and even how bright it appears from Earth.

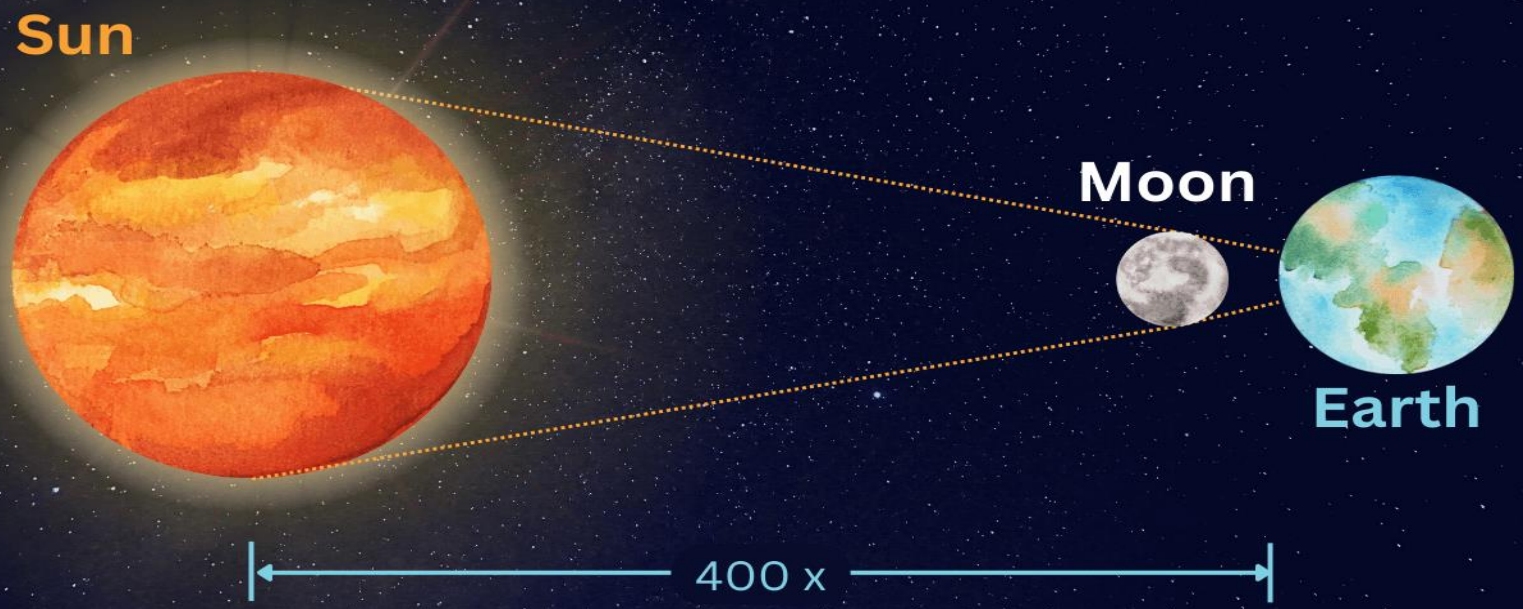
The Phases of the Moon

Earth-Moon system



Why the Sun and Moon Are the Same Size in the Sky

The Sun is about 400 times larger than the Moon, but it's also about 400 times further from Earth.



HE
makes His sun rise on the evil
and on the good,
AND sends rain on the just
and on the unjust.
Matthew 5:45B
C L Daugherty

The Fifth Day

And God said, Let the waters bring forth reptiles having life, and winged creatures flying above the earth in the firmament of heaven, and it was so. And God made great whales, and every living reptile, which the waters brought forth according to their kinds, and every creature that flies with wings according to its kind, and God saw that they were good. And God blessed them saying, Increase and multiply and fill the waters in the seas, and let the creatures that fly be multiplied on the earth. And there was evening and there was morning, the fifth day.

Day 5
Sea Creatures
11

Day 5
Flying Creatures
12

Day 5 Created Organisms

The Sixth Day

And God said, Let the earth bring forth the living creature according to its kind, quadrupeds and reptiles and wild beasts of the earth according to their kind, and it was so. And God made the wild beasts of the earth according to their kind, and cattle according to their kind, and all the reptiles of the earth according to their kind, and God saw that they were good.

Day 6
Land Animals
13

Day 6
Adam & Eve
14
15

Day 6 Created Organisms

The Sixth Day

And God said, Let us make man according to our image and likeness, and let them have dominion over the fish of the sea, and over the flying creatures of heaven, and over the cattle and all the earth, and over all the reptiles that creep on the earth. And God made man, according to the image of God he made him, male and female he made them. And God blessed them, saying, Increase and multiply, and fill the earth and subdue it, and have dominion over the fish of the seas and flying creatures of heaven, and all the cattle and all the earth, and all the reptiles that creep on the earth.

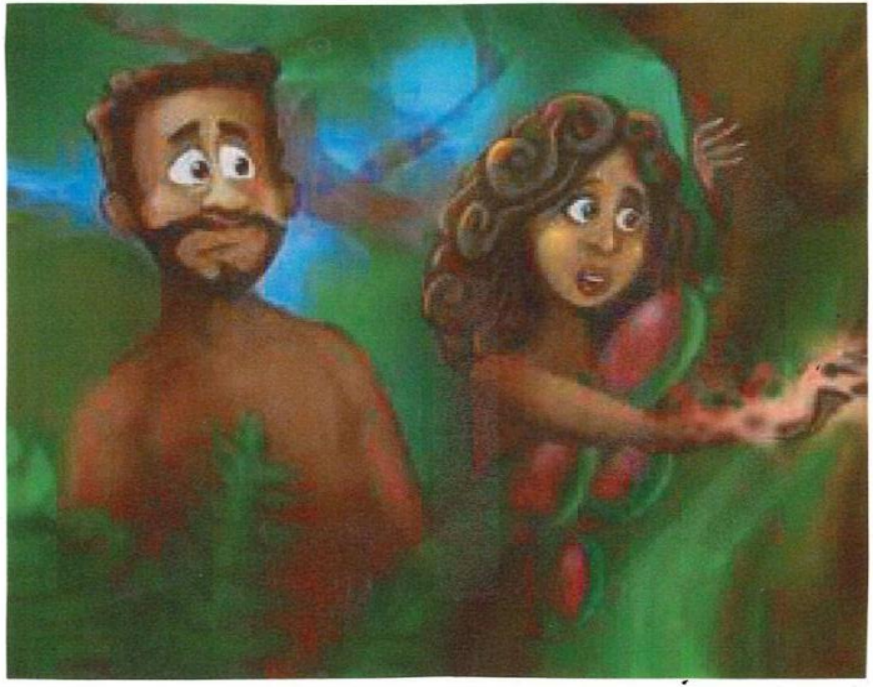
The Sixth Day

And God said, Behold I have given to you every seed-bearing herb sowing seed which is upon all the earth, and every tree which has in itself the fruit of seed that is sown, to you it shall be for food. And to all the wild beasts of the earth, and to all the flying creatures of heaven, and to every reptile creeping on the earth, which has in itself the breath of life, even every green plant for food; and it was so. And God saw all the things that he had made, and, behold, they were very good. And there was evening and there was morning, the sixth day.

Day 6
Land Animals
13

Day 6
Adam & Eve
14
15

Day 6 – Humans

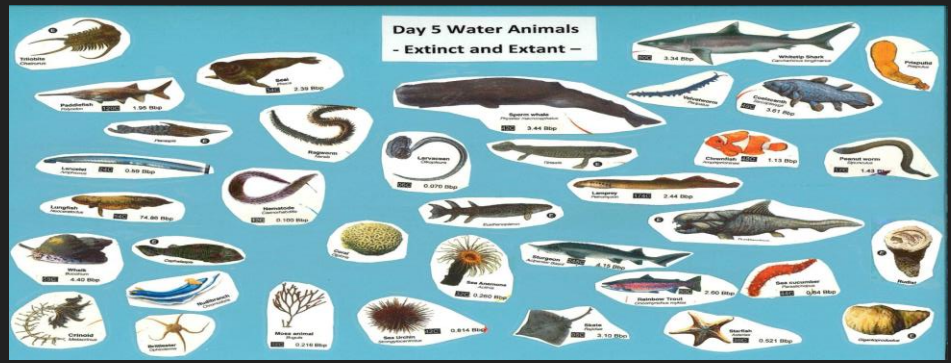


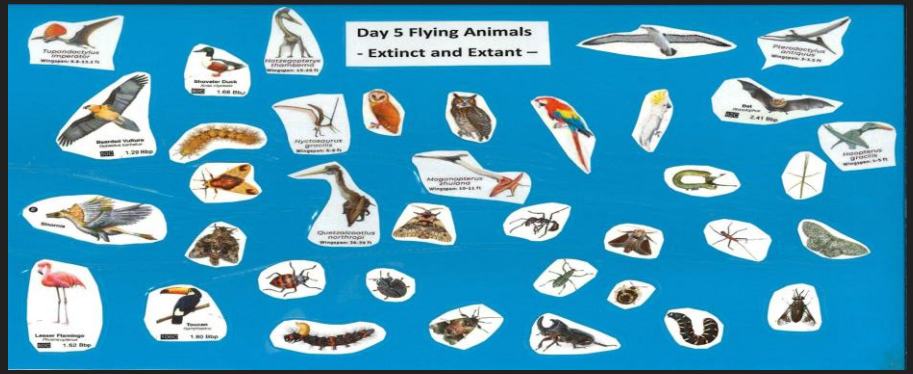
SARA STRANZ 2021

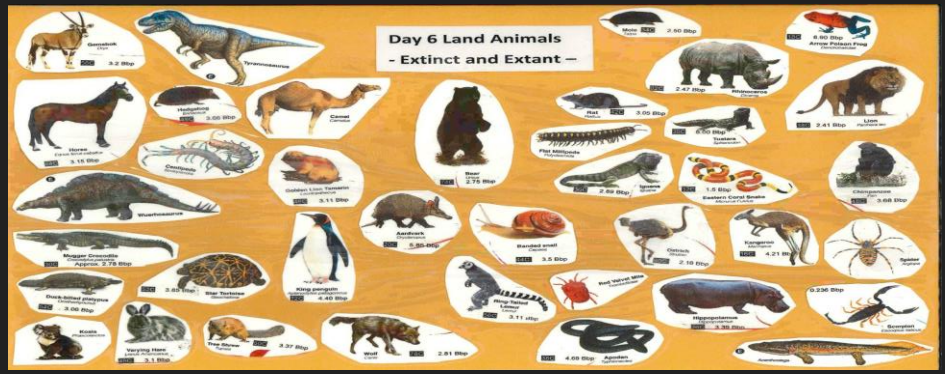
The Dominion Mandate to Adam and Eve

And God made man, according to the image of God he made him, male and female he made them. And God blessed them, saying, Increase and multiply, and fill the earth and subdue it, and have dominion over the fish of the seas and flying creatures of heaven, and all the cattle and all the earth, and all the reptiles that creep on the earth.

The Dominion Mandate







The **Dominion Mandate** Concept

GOD IS THE OWNER OF THE EARTH (Psalm 24:1)

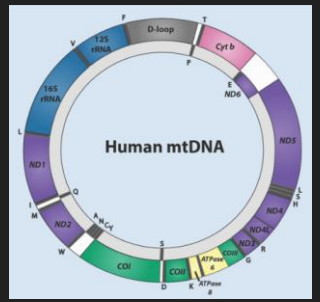
HUMANITY WAS GIVEN THE PRIVILEGE OF MANAGING EARTH AND TAKING CARE OF ITS RESOURCES AND ORGANISMS UNDER GOD.

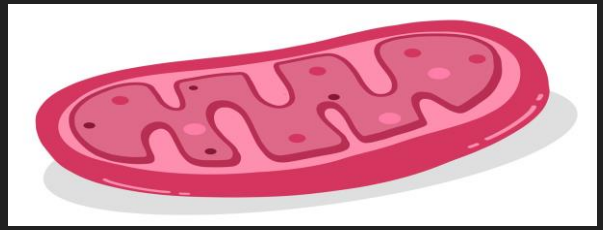
ORIGINALLY ADAM AND EVE WERE VEGETARIANS.

Humans all Descend from One Woman!

And Adam called his wife's name Eve, because she was the mother of all living. [Genesis 3:20].

In 1987, a paper published in *Nature* by Cann, Stoneking and Wilson determined by studying mitochondrial DNA (mtDNA) that all humans alive today descended from one woman. They call her "Mitochondrial Eve". Although timelines may differ from the Biblical text this finding is exactly what the Bible claims. Geneticist Dr. Robert Carter has compared known mitochondrial DNA sequences and has determined exactly what Eve's mitochondrial DNA sequence was!





Humans typically have about 100 mitochondria in every cell.

Dr. Robert Carter, Geneticist and Ph.D. Marine Biology, U Miami

Genesis 3:20

The Seventh Day

And the heavens and the earth were finished, and the whole world of them. And God finished on the sixth day his works which he made, and he ceased on the seventh day from all his works which he made. And God blessed the seventh day and sanctified it, because in it he ceased from all his works which God began to do.

WORK WEEK

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

We Need to know where we came from!

Know that the Lord, He is God; It is He who has made us, and not we ourselves; We are His people and the sheep of His pasture. Psalm 100:3

We are not evolved apes! We were specifically created by God in His image for His purposes!

What is our Proper Response to all of this?

Then I saw another angel flying in midair, and he had the eternal gospel to proclaim to those who live on the earth—to every nation, tribe, language and people. He said in a loud voice, “**Fear God** and **give him glory**, because the hour of his judgment has come. **Worship him** who made the heavens, the earth, the sea and the springs of water.” Revelation 14:6-7